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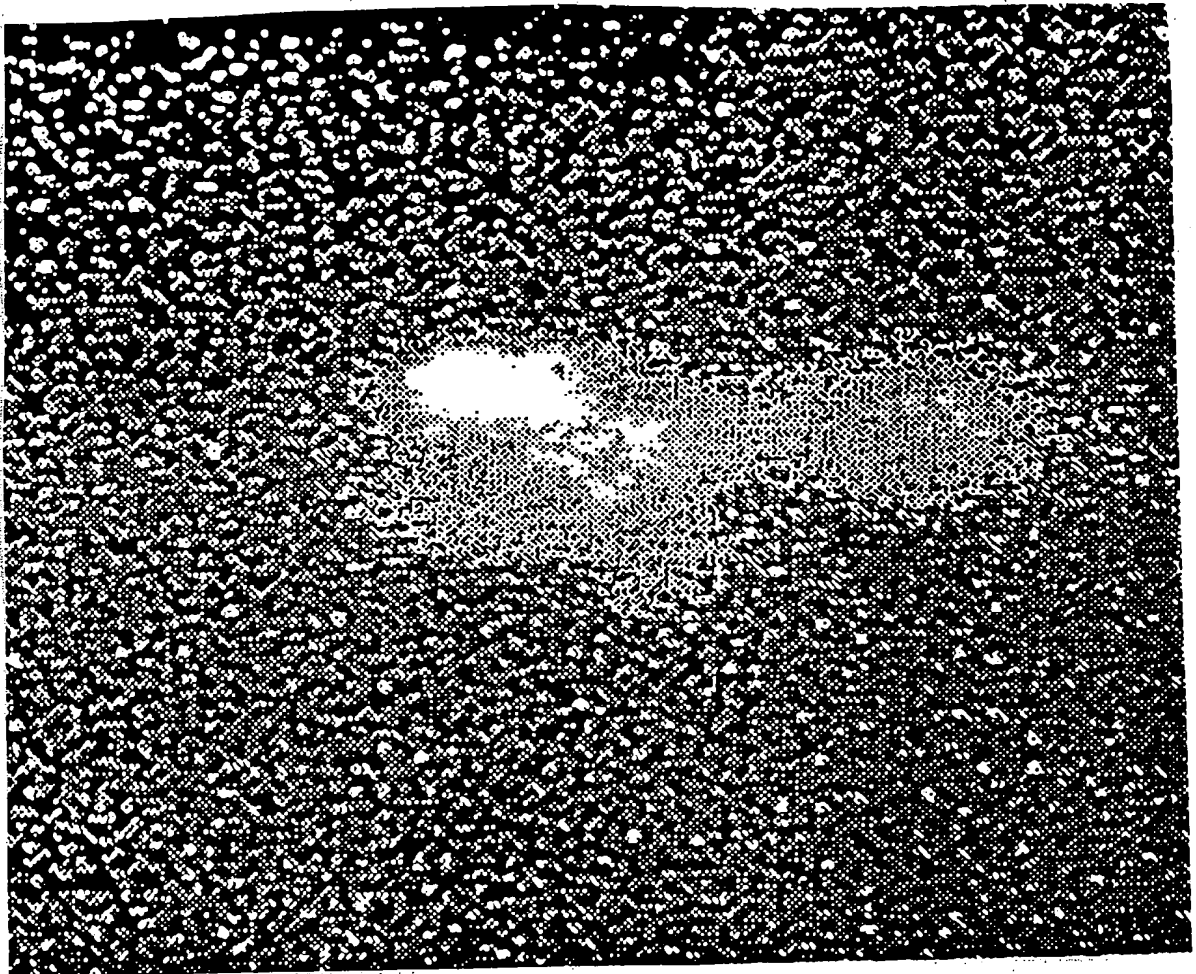
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FIGURE 1A



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**FIGURE 1B**



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FIGURE 2A



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**FIGURE 2B**

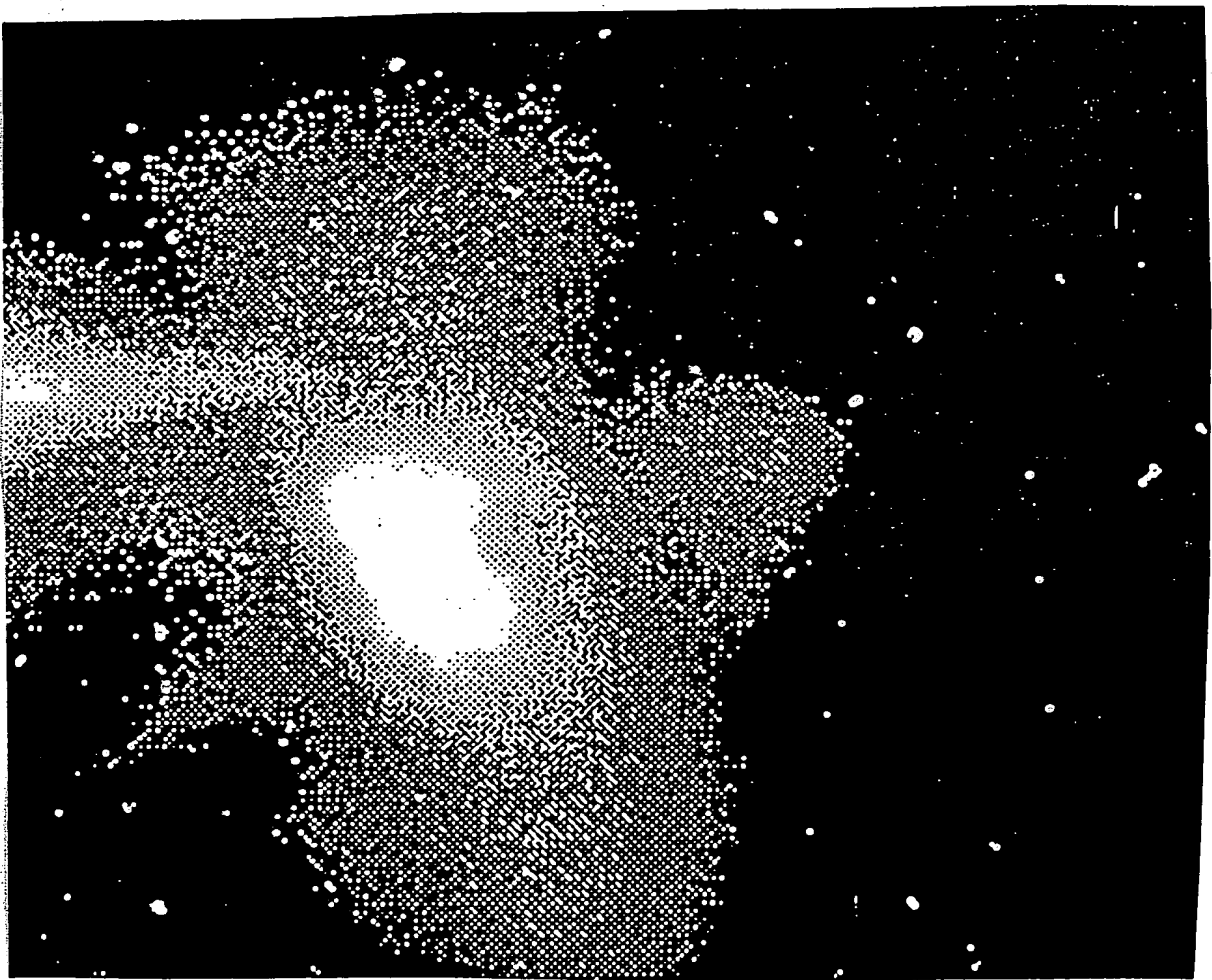


FIGURE 3A

Cardiomyocyte (ventricle)

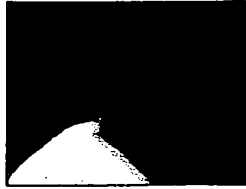


FIGURE 3B

Stem-Stem



3 min



12 min



Stem-canine cardiomyocyte (ventricle)



3 min



30 min

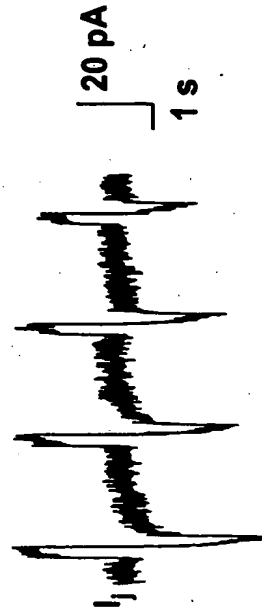
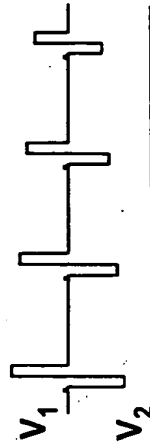
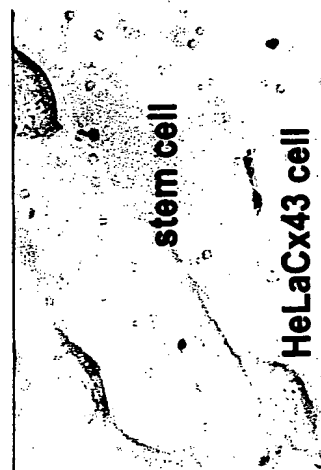


FIGURE 3C

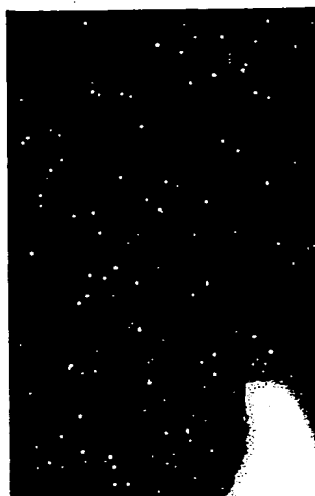
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**FIGURE 4A**

**Stem- HeLaCx43**



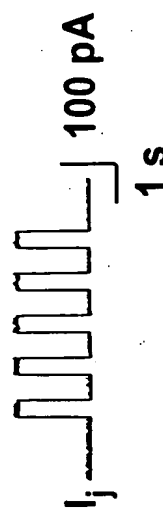
**1 min**



**12 min**

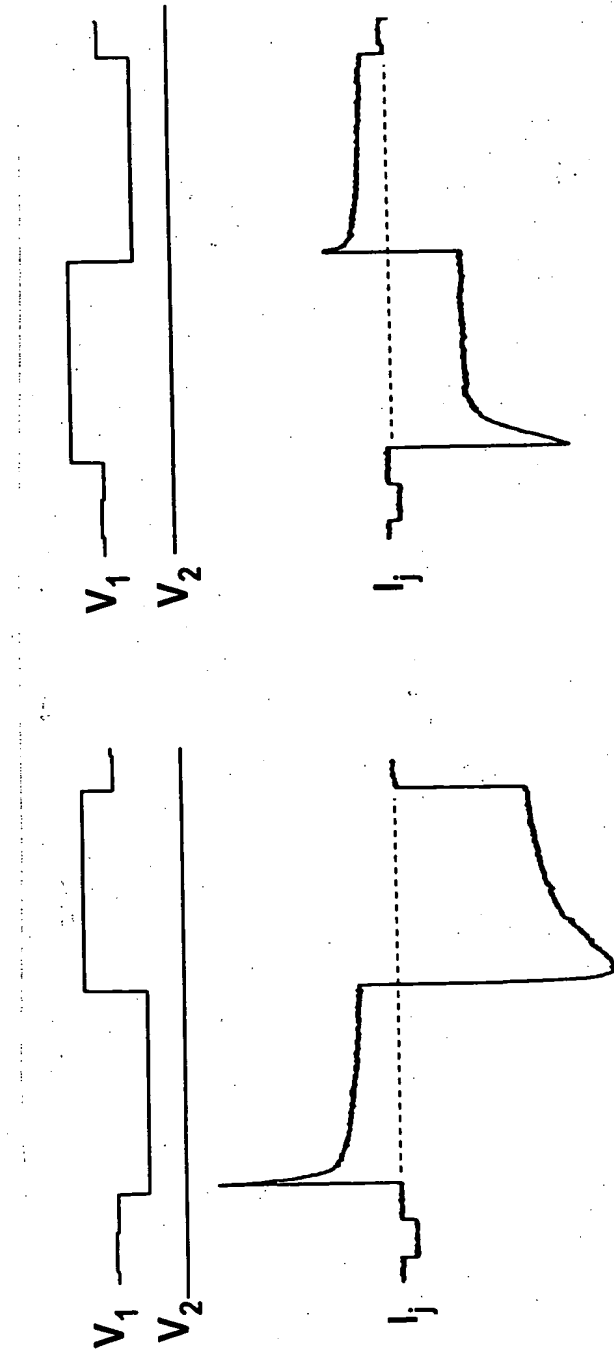


$g_j = 16 \text{ nS}$



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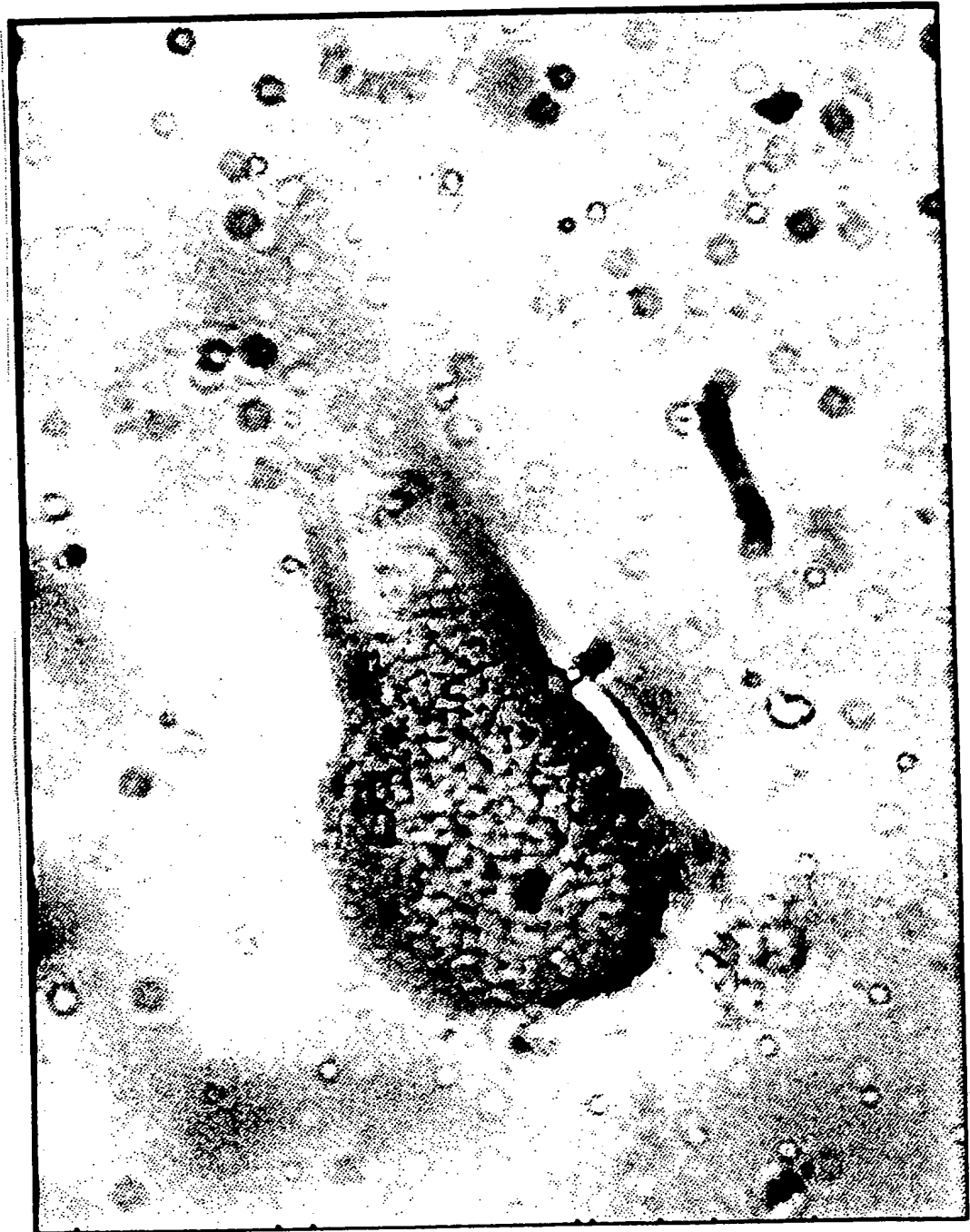
FIGURE 4B





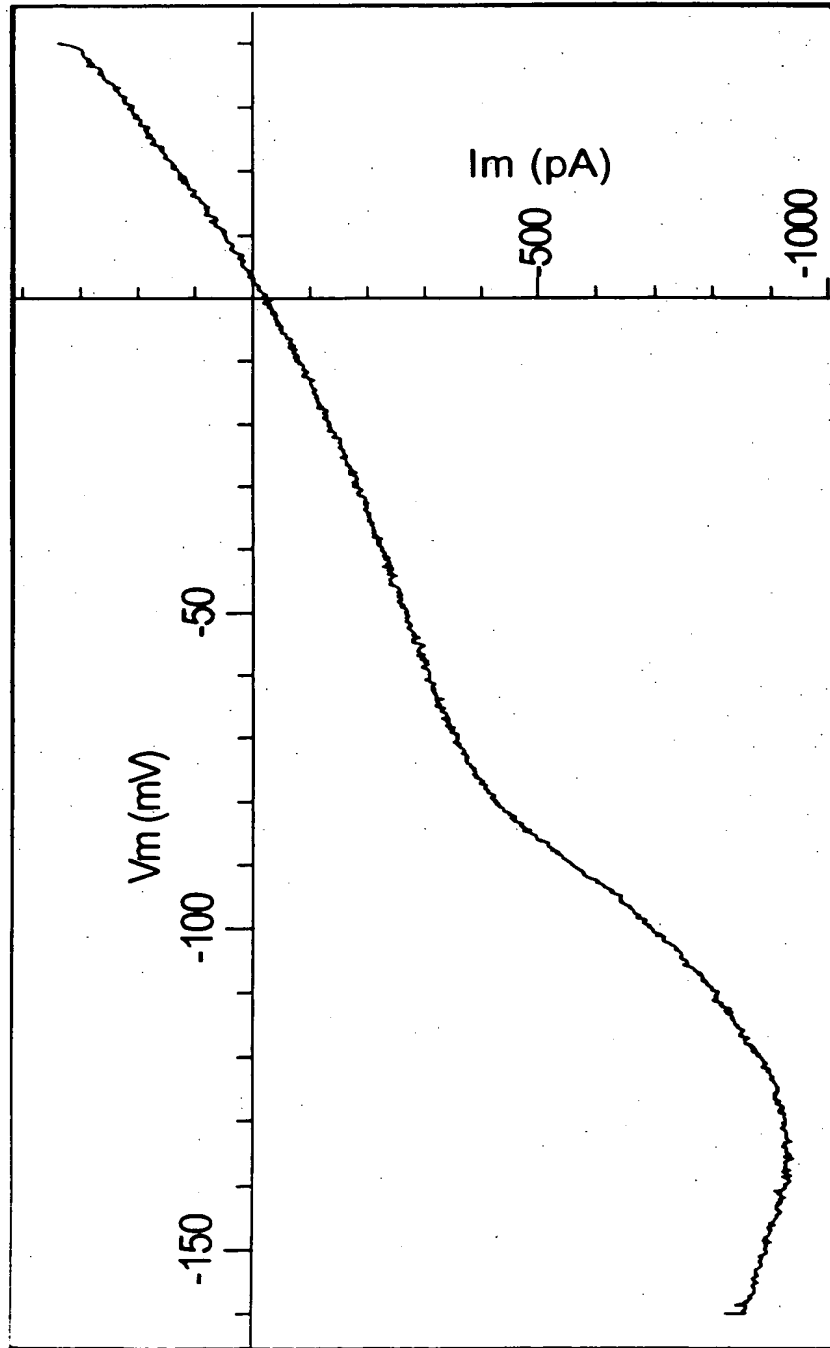
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FIGURE 5A



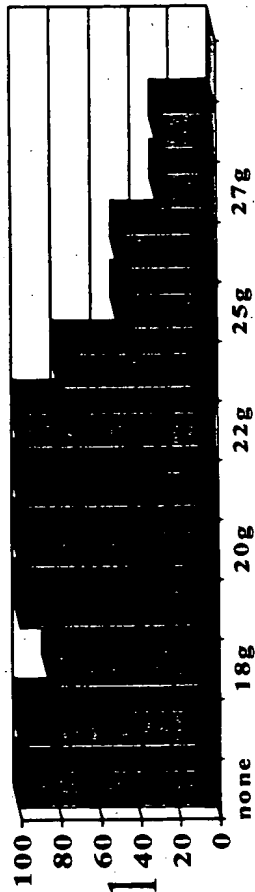
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FIGURE 5B

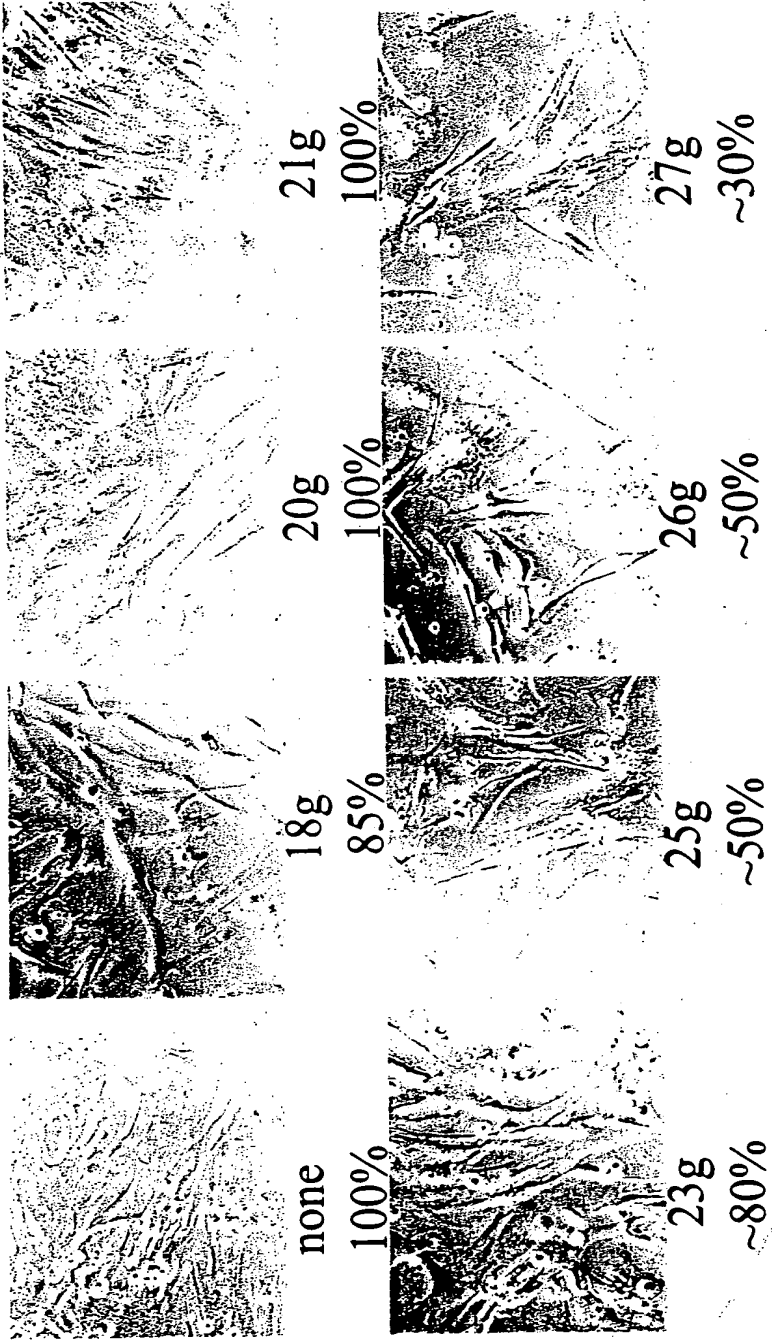


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FIGURE 6



Needle survival



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**FIGURE 7**

HMSC cells transiently transfected with mH2-EGFP



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FIGURE 8A

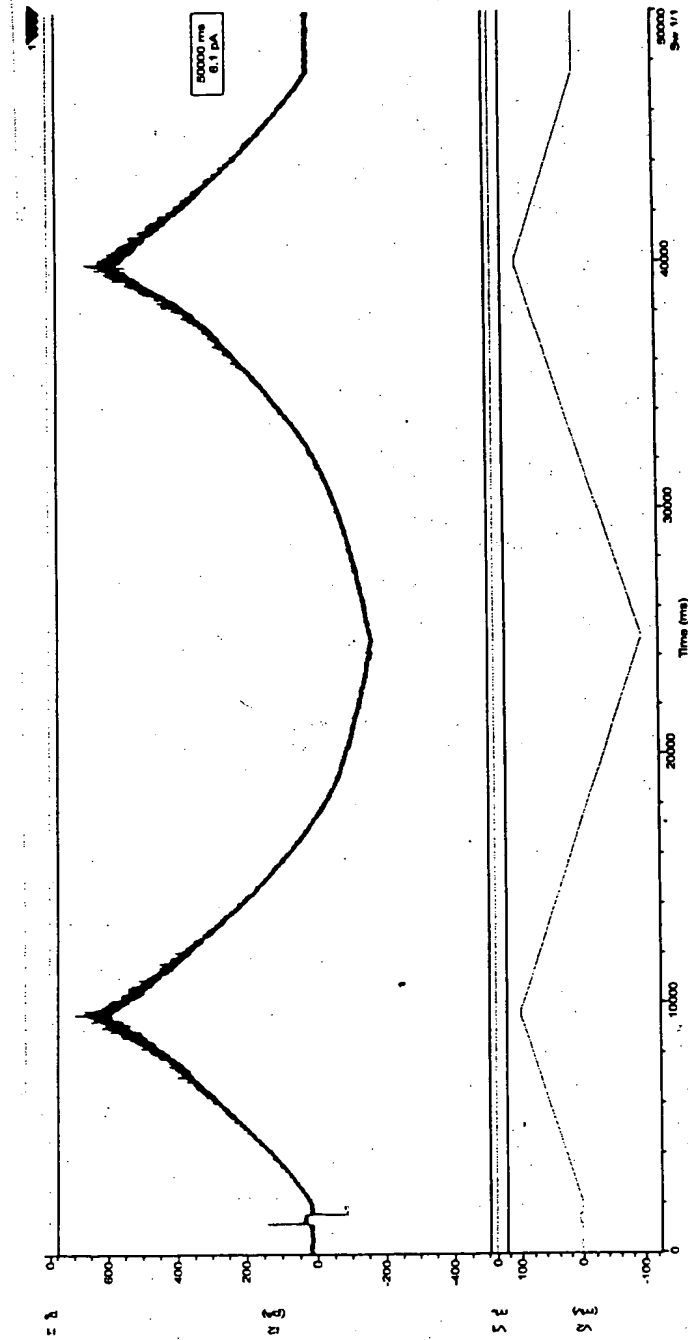
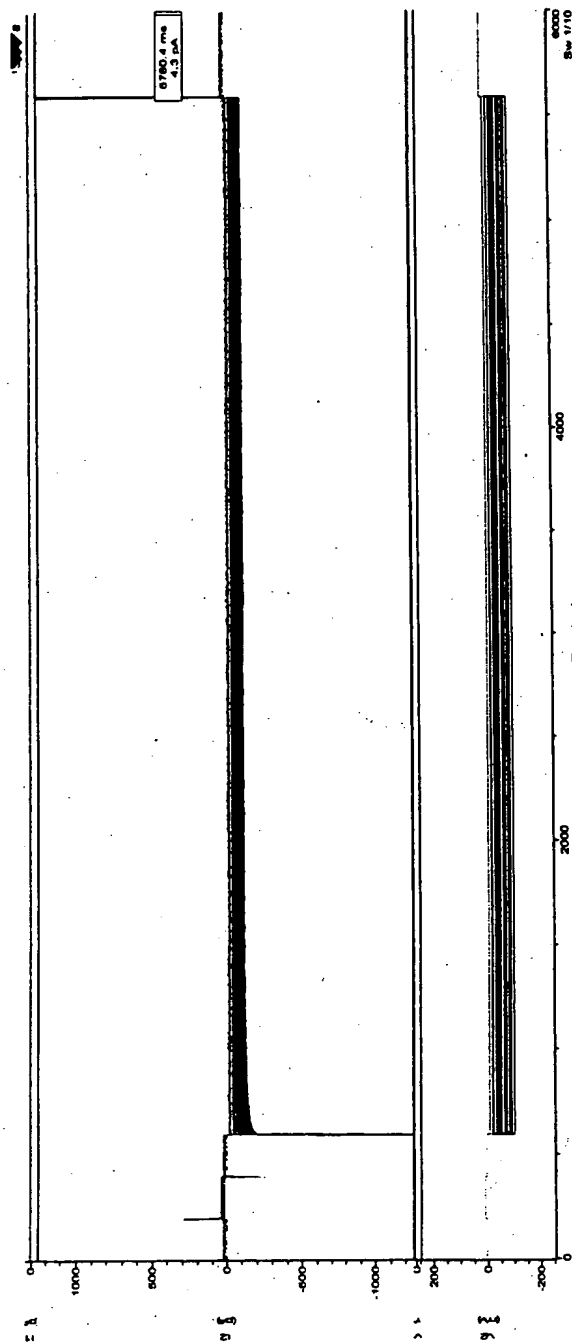


FIGURE 8B



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FIGURE 9A

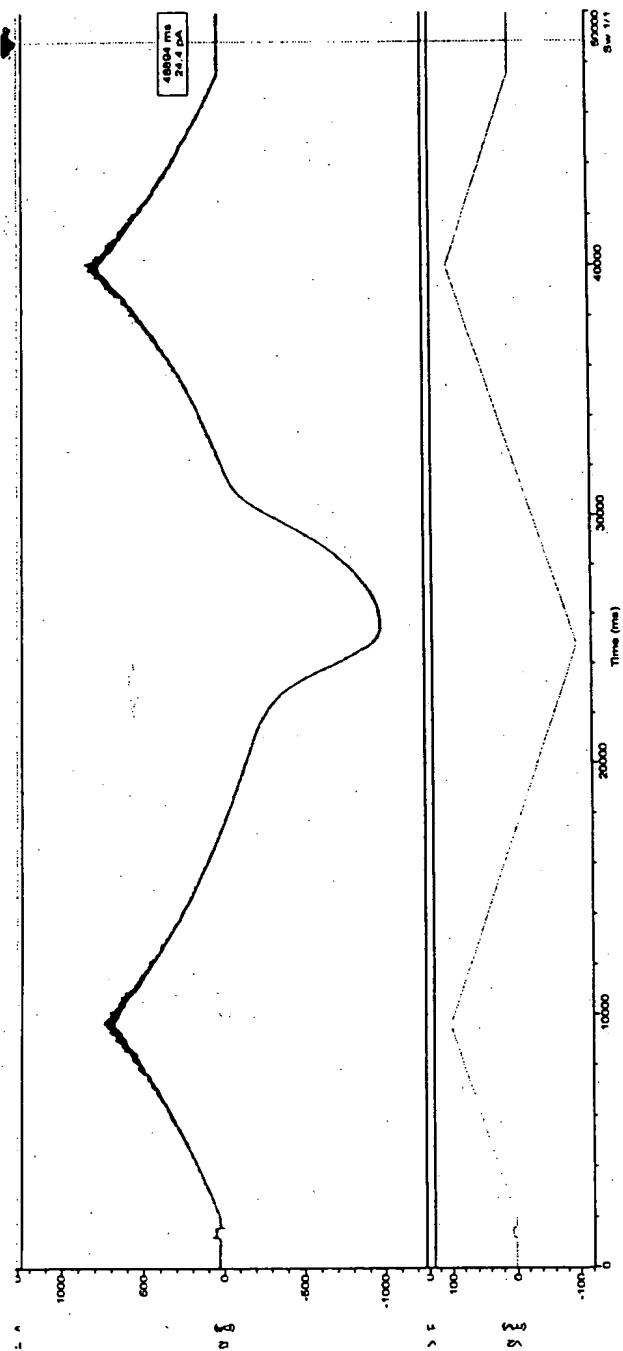
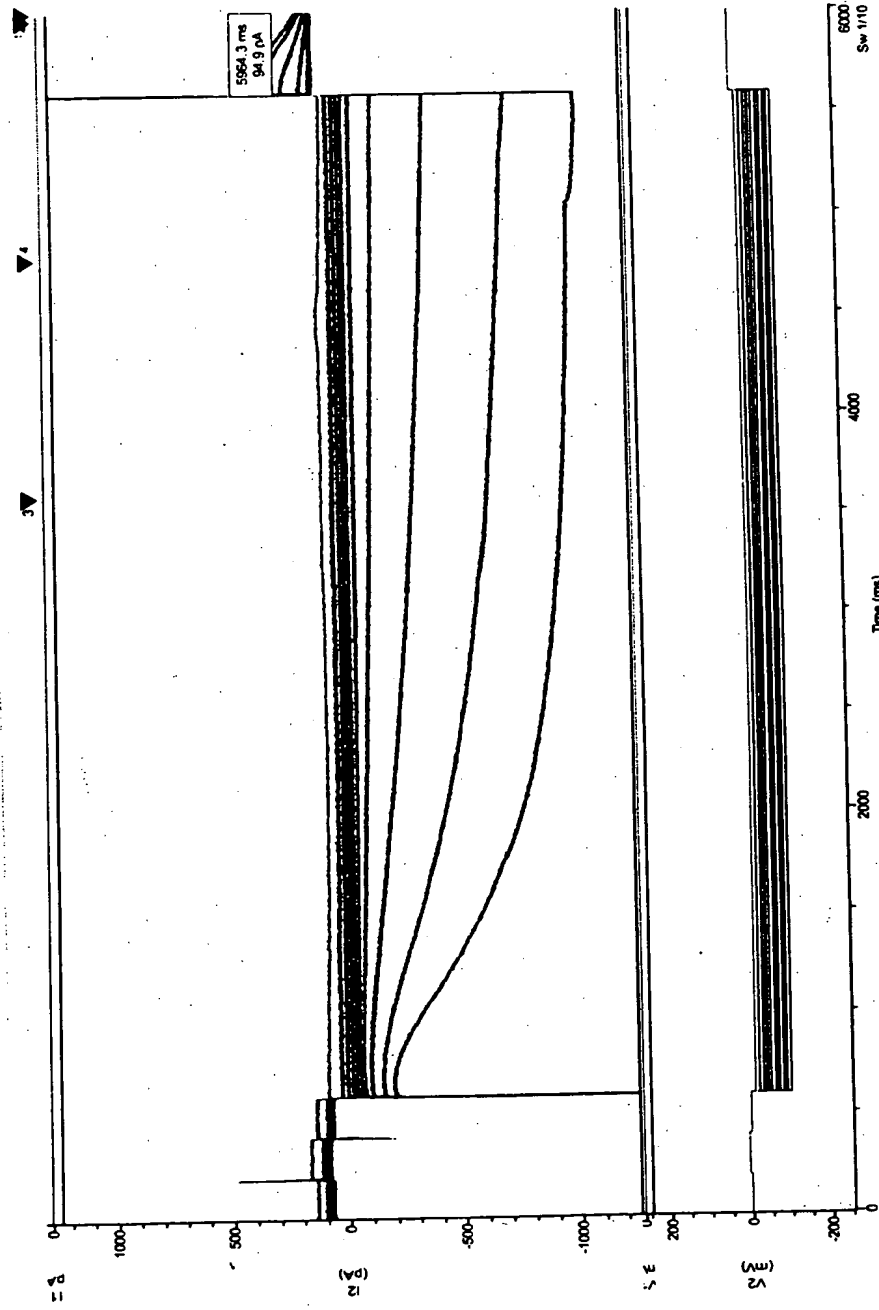
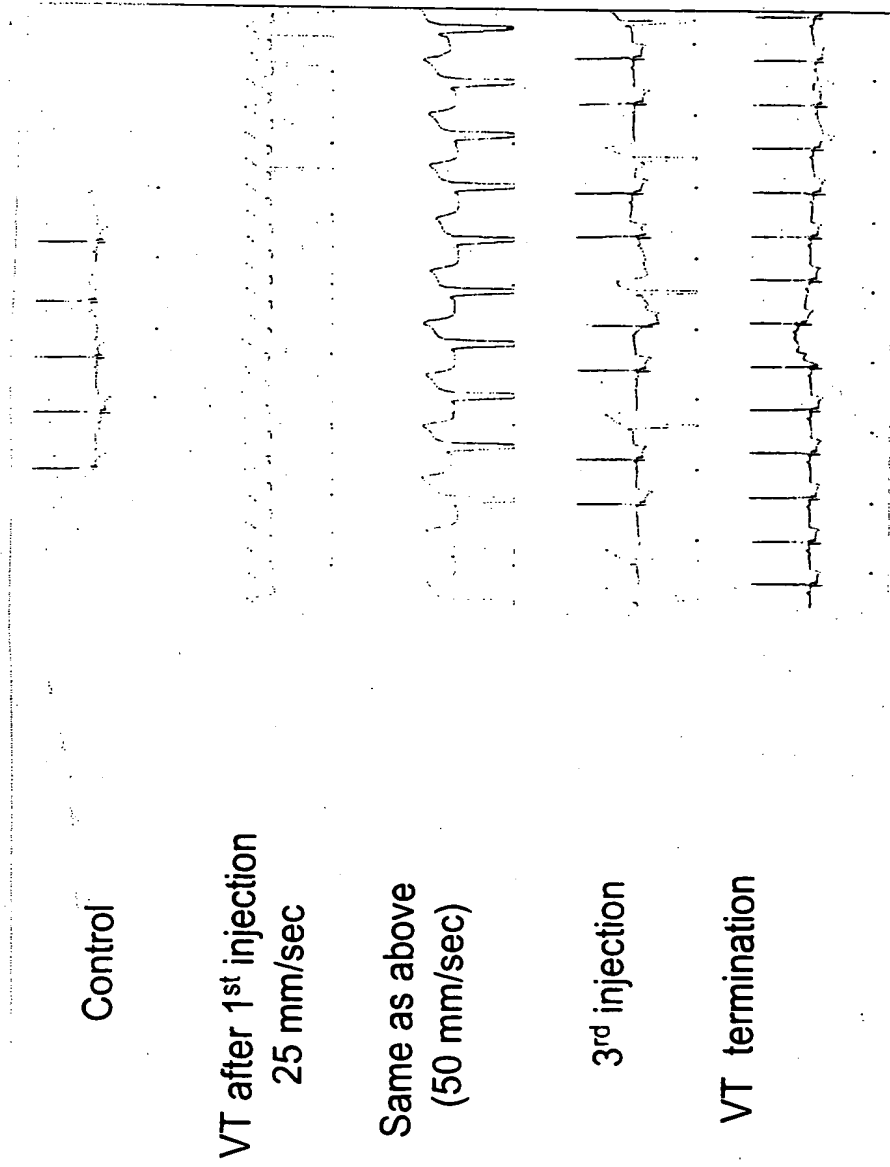


FIGURE 9B





**FIGURE 10A**



**FIGURE 10B**

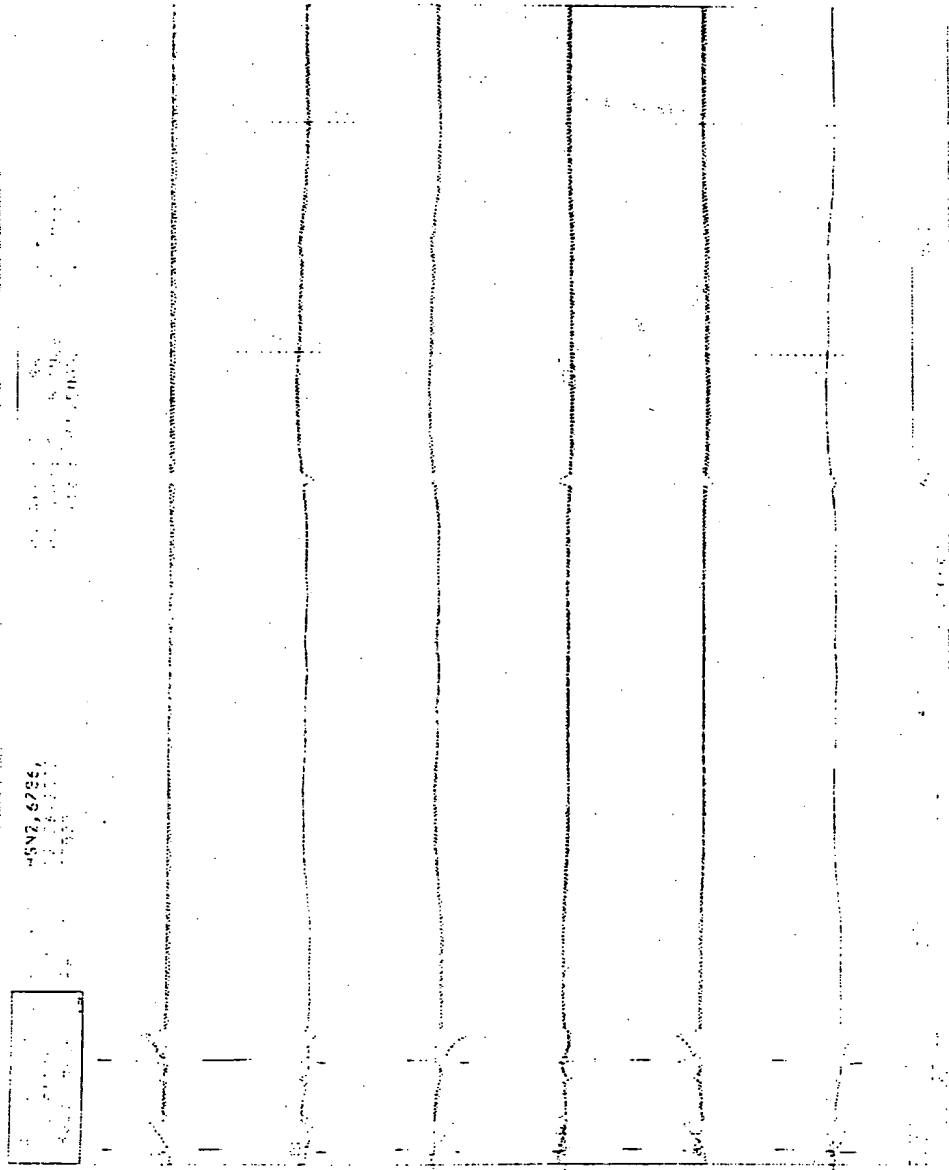
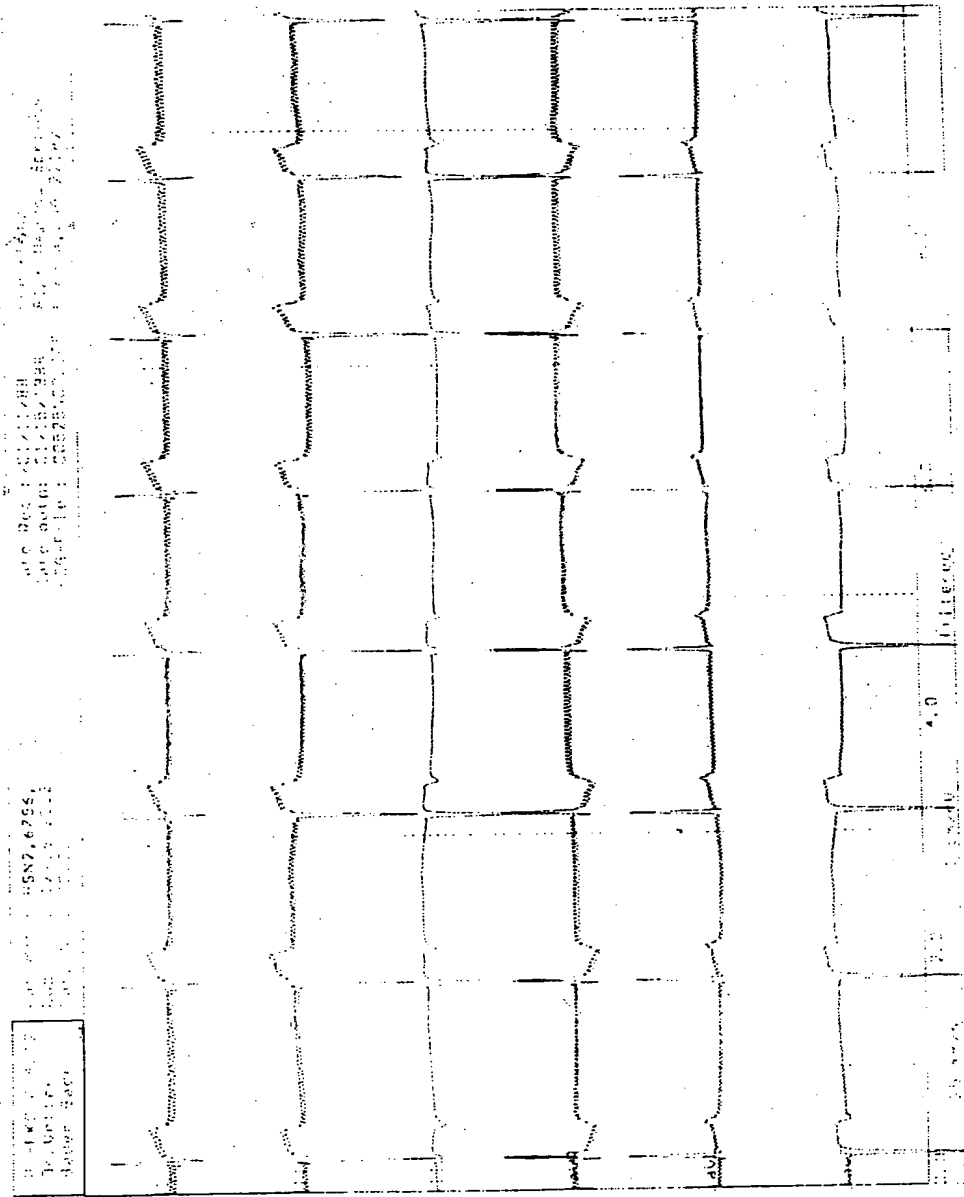
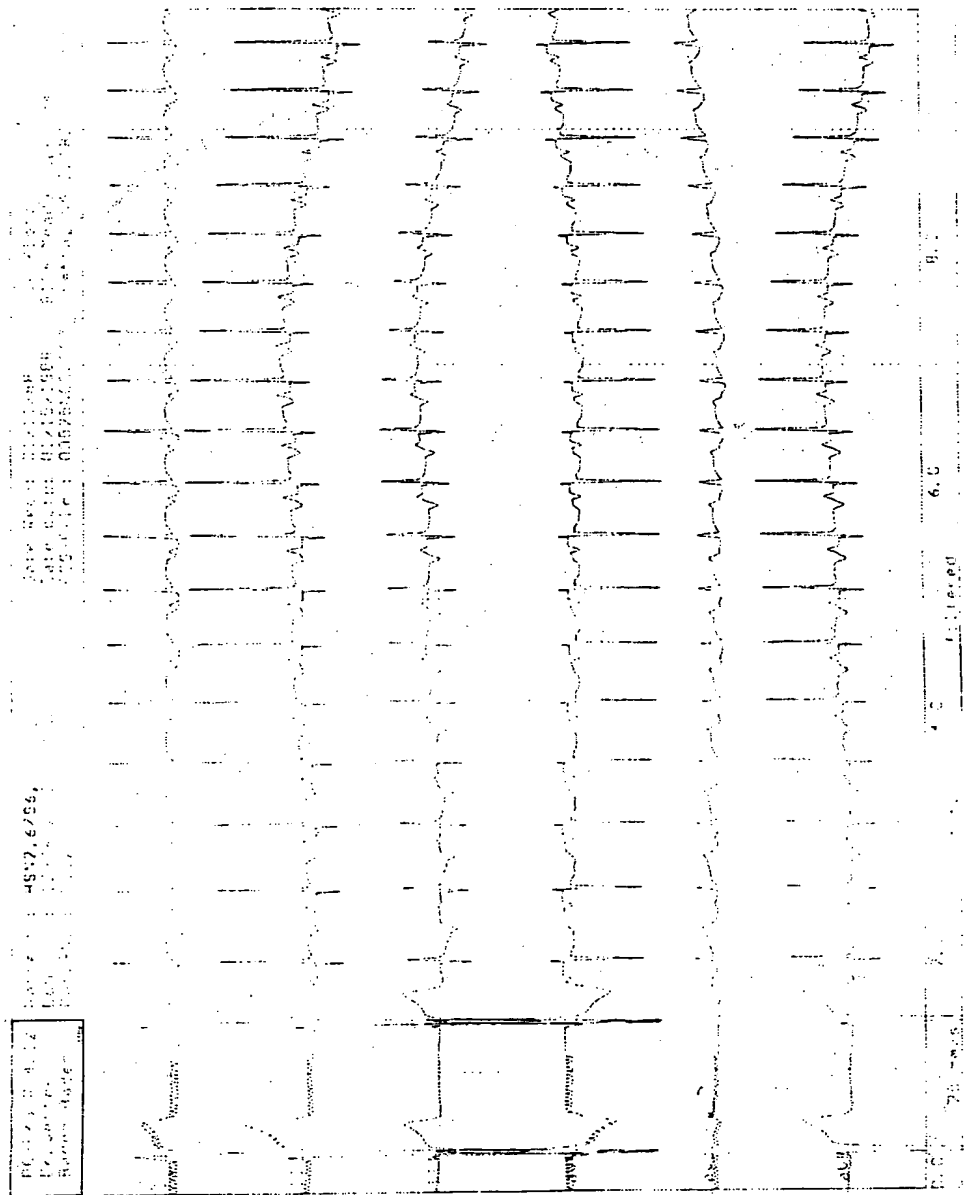


FIGURE 10C



**FIGURE 10D**



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**FIGURE 10E**

